Torque settings – Type 123 and 122 engines

Alternator rotor nut	70 Nm
Alternator stator bolts (Type 122 engine)	10 Nm
Alternator stator back plate bolts (Type 123 engine)	6 Nm
Alternator cover screws	5 Nm
Clutch cover bolts	10 Nm
Clutch spring bolts	7 Nm
Clutch centre nut (Type 123 engine)	80 Nm
Crankcase bolts	10 Nm
Crankshaft pinion nut (Type 123 engine)	70 Nm
Cylinder head	
Type 122 engine (bolts)	30 Nm
Type 123 engine (nuts)	20 Nm
Cylinder head cover bolts	10 Nm
Cylinder base nuts	30 Nm
Engine mounting bolts (front)	50 Nm
Engine mounting bolts (rear)	22 Nm
Exhaust manifold bolts	20 Nm
Front sprocket cover bolts	5 Nm
Gearchange stopper arm bolt	10 Nm
Gearchange selector drum centre bolt	10 Nm
Ignition pick-up coil mounting bolts	5 Nm
Intake manifold bolts	7 Nm
Oil pump mounting bolts	5 Nm
Oil pump cover bolts	3 Nm
RAVE valve mounting bolts	10 Nm
Starter motor mounting bolts	10 Nm
Swingarm pivot bolt	100 Nm
Swingarm pivot bolt adjuster	12 Nm
Swingarm pivot bolt adjuster locknut	35 Nm
Transmission oil drain plug	24 Nm
Water pump mounting bolt	5 Nm

1 General information

...ine unit is a single cylinder two-
...liquid cooling. The crankshaft
...essed together, incorporating
...d, with the big-end running
...a needle roller bearing.
...a needle roller bearing
...the connecting rod.
...balancer shaft run
...The crankcase
...nd end of
...motor
...f the

Clutc...
Friction...
Plain pla...
Friction p...
Plain plate...
Clutch sprin...

Transmissi...
Gear ratios (no.
Primary reduc...
Final reduction...
1st gear .....
2nd gear .....
3rd gear .....
4th gear .....
5th gear .....
6th gear .....

2 Component access

Operations possible with the engine in the frame

The components and assemblies listed below can be removed without having to remove the engine from the frame. If however, a number of areas require attention at the same time, removal of the engine is recommended.

Cylinder head
Cylinder, piston and piston rings
Alternator
Water pump
Oil pump
Clutch
Primary drive gears
Starter motor
Reed valve
...earchange mechanism – Type 122 engine

...tions requiring engine ...l

... necessary to remove the engine from ... frame and split the crankcases to gain access to the following components.

Crankshaft and bearings
Balancer shaft and bearings
Gearchange mechanism – Type 123 engi...
Selector drum and forks
Transmission shafts

3 Engine overhaul information

1 It is not always easy to determine when, ... if, an engine should be comple... overhauled, as a number of factors must ... considered.

2 High mileage is not necessarily ... indication that an overhaul is needed, ... low mileage, on the other hand, does ... preclude the need for an overhaul. Freque... of servicing is probably the single m... important consideration. An engine that ... regular maintenance will most likely give ma... miles of reliable service. Conversely, ... neglected engine, or one that has not b... run-in properly, may require an overhaul ... early in its life.

3 If the engine is making obvious knocking ... rumbling noises, the connecting rod bea... and/or main bearings are probably the cau...